

SCIENCE VS. PSEUDOSCIENCE

Name: _____

Directions: Watch the video clip and, in the space below, take notes on Brian Brushwood's explanation of a Science vs. Pseudoscience.

<http://www.youtube.com/watch?v=qodOwQ-U1oQ>

Science	Pseudoscience
The primary goal of science is to achieve a more complete and more unified understanding of the physical world.	Driven by ideological, cultural, or commercial goals
Are subject of intense research, which result in the continual expansion of knowledge in the discipline.	Field has evolved very little since it was first established. When research or experiment is done, it is used more to justify the belief than to extend it.
Scientists seek out counterexamples or findings that appear to be inconsistent with accepted theories.	Challenges are considered a hostile act if not heresy, and leads to bitter disputes or even schisms.
Credible scientific observations and data generate intense interest among scientists and stimulate additional studies.	Observation or data that is not consistent with established beliefs tend to be ignored or actively suppressed.
Scientific principles are tested and are always subject to question and can be rejected at any time.	Major tenets and principles are unlikely ever to be altered or shown to be wrong.
Scientific ideas and concepts must stand or fall on their own merits, based on existing knowledge and on evidence.	Concepts tend to be shaped by individual egos and personalities. Rarely are the individuals in contact with mainstream science.
Explanations are stated in clear, unambiguous terms.	Explanations tend to be vague and ambiguous, often invoking scientific terms in dubious context.

Circle the correct answer:

1. Science or Pseudoscience
2. Science or Pseudoscience
3. Science or Pseudoscience
4. Science or Pseudoscience
5. Science or Pseudoscience
6. Science or Pseudoscience
7. Science or Pseudoscience
8. Science or Pseudoscience
9. Science or Pseudoscience
10. Science or Pseudoscience